

what is claimed is:

1. A method for treating tumor in a subject comprising administering to the subject an effective amount of:
5 (a) VNP40101M, or its equivalent; and
 (b) a nucleoside, or a nucleoside analog.
2. A method for inhibiting tumor cell growth comprising contacting the tumor cell with effective amounts of:
10 (a) VNP40101M, or its equivalent; and
 (b) a nucleoside, or a nucleoside analog.
3. The method of claim 1 or 2 wherein the nucleoside is AraC (cytarabine), azacitidine, cladribine, decitabine, gemcitabine,
15 mercaptapurine, thioguanine, fludarabine, clofarabine, troxacitabine or pentostatin.
4. The method of claim 1 or 2, wherein the tumor is solid malignant tumor, leukemia or lymphoma.
- 20 5. The method of claim 1 or 2, wherein VNP40101M and the nucleoside can be administered concurrently or sequentially.
6. The method of claim 1, wherein VNP40101M and the nucleoside are
25 administered intravenously, subcutaneously, or orally.
7. A method for treating cancer comprising administering to a subject in need thereof an effective amount of VNP40101M and a nucleoside.
- 30 8. The method of claim 7, wherein the cancer is a leukemia and the nucleoside is AraC.
9. The method of claim 7, wherein the cancer is a leukemia and the
35 nucleoside is clofarabine.
10. The method of claim 8 or 9, wherein the leukemia is acute myelogenous leukemia.

11. The method of claim 8, wherein the dose of VNP40101M is between 100 and 1000 mg/m² and the dose of AraC is between 500 and 5000 mg/m².

5 12. A method for treating tumor in a subject comprising administering to the subject:

(a) an effective amount of VNP40101M, or its equivalent;
and

(b) another anti-tumor therapy.

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13. A method for inhibiting tumor cell growth comprising contacting the tumor cell:

(a) with effective amounts of VNP40101M, or its equivalent;
and

15 (b) another anti-tumor therapy.

14. The method of claim 12 or 13 wherein the other anti-tumor therapy is radiation therapy or administration of another chemotherapeutic agent.

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15. The method of claim 14 wherein the chemotherapeutic agent is antimetabolites, etoposide, doxorubicin, taxol, vincristine, cyclophosphamide, mitomycin C, topoisomerase I and topoisomerase II inhibitors (adriamycin, topotecan, camptothecin and irinotecan),
25 cisplatin, carboplatin, tipifarnib (R115777), SCH66336, erlotinib, gefitinib, or gemtuzumab ozogamicin.

16. The method of any of claim 1-2, 6-12 and 14-15 wherein the subject is a human.

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17. A composition comprising an amount of VNP40101M which produces synergistic effects when used in combination with a nucleoside in treating tumor.

35 18. A composition comprising an amount of nucleoside which produces synergistic effects when used in combination with a VNP40101M in treating tumor.